

# Standard Test Conditions

## Harris WinRoll 800

April 25, 1999

| #       | Time | Fc mHz | Ch # | Po dBm | Po W. | S/A dBm | S/A W. | BTC # | Oscillogram # / Notes |
|---------|------|--------|------|--------|-------|---------|--------|-------|-----------------------|
| 4/25/99 | am   |        |      |        |       |         |        |       |                       |
| 1       | 0450 | 870.00 | 1023 | 44     | 10.0  | -10     | 10.0   | 5     |                       |
| 2       | 0455 | 885.84 | 525  | 44     | 10.5  | -10.25  | 10.6   | 8     |                       |
| 3       | 0500 | 890.25 | 675  | 44     | 8.2   | -11.0   | 12.6   | 7     |                       |
| 4       | 0510 | 877.50 | 250  | 44     | 5.0   | -14     | -      | 12    |                       |
| 5       | 0525 | 870.00 | 1023 | 44     | 10.0  | -10     | 10.0   | 5     |                       |
| 6       | 0544 | 877.20 | 240  | 44     | 11.5  | -8      | -      | 11    |                       |
| 7       | 0550 | 886.05 | 535  | 44     | 10.5  | -10     | 10.0   | 8     | #101                  |
| 8       | 0559 | 870.00 | 1023 | 44     | 9.5   | -10     | 10.0   | 9     | #102                  |
| 9       | 0606 | 877.20 | 240  | 44     | 11.25 | -10     | 10.0   | 11    | #103                  |
| 10      | 0613 | 890.70 | 690  | 44     | 7.75  | -10     | 10     | 7     | #104                  |
| 11      | 0629 | 869.04 | 991  | 44     | 6.3   | -10     | 10.    | 4     | #105                  |
| 12      | 0640 | 870.0  | 1023 | 44     | 7.5   | -10     | 10     | 5     | #106                  |
| 4/26/99 | am   |        |      |        |       |         |        |       |                       |
| 13      | 1201 | 870.00 | 1023 | 44     | 9.75  | -10     | 10     | 5     | #107                  |
| 14      | 1208 | 877.20 | 240  | 44     | 11.5  | -10     | 10     | 11    |                       |
| 15      | 1220 | 890.70 | 690  | 44     | 7.5   | -10     | 10     | 7     |                       |
| 16      | 1223 | 886.05 | 535  | 44     | 10.25 | -10     | 10     | 8     | #107a                 |

1. Line Eac = 232.10 V. ac
2. Main dcE = 27.98 V dc
3. Main dc I = 25.0 0 to 40.0 amps dc (1 to 8 channels each mean Po = 20 watts)
4. dc Converter E = 52.25 V dc
5. dc Converter I = .51 a dc (510 ma.)

Modulation Sat = 5970, 6000 or 6030 Hz. Deviation 2.0 kHz (+/-10 %)  
 Modulation analog = 1000 or 2500 Hz. (50 % + 20 dB)  
 Modulation digital = Manchester Code (set not to exceed FCC limit) (see individual measurement)  
 Deviation = Limiter controls Deviation not to exceed FCC limit (see individual measurement.)

Nore:

Transmitter and equipment ran continuously for over 7.5 hours. (The parameters were the same after 7.5 hours)  
 Multiple transmitters ran simultaneously (8 each). (No inter-modulation spurious signals identified.)  
 All Measurements show compliance with FCC Rules and Regulations.  
 For equipment used see the list attached.  
 For set-up see diagrams attached.

Measurement Standards used:

FCC OET #53  
 FCC par sec. 22 & 2  
 IC RSS 118 issue 2  
 IC RSP 100 issue 7  
 EIA/IS-20-A  
 EIA/TIA-533

FCC Code for HARRIS = MP5 File C:\Mydocuments\Standard WinRoll 800 Test Conditions April 25, 1999

REC/Harris  
04/25/1999